

## MISSOURI 2008 WHIP PROGRAM POLICIES

The following is a summary of the 2008 conservation practices and components eligible for financial assistance through the Wildlife Habitat Incentives Program (WHIP) in Missouri. Planned conservation practices must be maintained for the lifespan of the practice as indicated below or the length of the WHIP contract, whichever is longer. All practices must also meet the minimum criteria in the practice standard (see the Missouri eFOTG) and the criteria listed below. Extents above the minimum necessary to meet practice criteria are not eligible for additional payment.

<http://www.mo.nrcs.usda.gov/programs/whip/whip.html>

The WHIP applicant is responsible for the installation, use, and maintenance of all components required in the conservation management system.

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
327	Acre	Conservation Cover				3 Years
		Cool Season Grasses &/or Legumes - No Fertilizer	\$ 55.00	Acre		
		1. Establishment & maintenance of cool season vegetative cover on land being retired from agricultural production.				
		2. Management for wildlife is primary objective				
		Warm Season Grasses &/or Legumes - No Fertilizer	\$ 106.00	Acre		
		1. Establishment & maintenance of warm season vegetative cover on land being retired from agricultural production.				
		2. Management for wildlife is primary objective				
		Forbs	\$ 23.00	Pound		
		1. The addition of forb species to grass &/or legume seeding mixture above				
1. This practice must be managed for wildlife habitat; only grasses, forbs, or legumes and associated mixtures rated as 60% or more as "good" or "excellent" and no species rated as "poor" for wildlife in Table 1-Vegetation Establishment Herbaceous Seeding Specification (723) will be eligible for WHIP payment.						
2. Grazing is only allowed when required in an approved wildlife habitat management plan.						
3. See the "Conservation Cover" conservation practice standard.						
342	Acre	Critical Area Planting				10 Years
		Cool Season Grasses with Mulching	\$ 357.00	Acre		
		Warm Season Grasses with Mulching	\$ 420.00	Acre		
		Cool Season Grasses with Companion Crop or Into Existing Residue	\$ 162.00	Acre		
		Warm Season Grasses with Companion Crop or Into Existing Residue	\$ 225.00	Acre		
1. See the "Critical Area Planting" conservation practice standard.						
647	Acre	Early Successional Habitat Development/Mgmt	\$ 27.00	Acre		15 Years
1. Payment is authorized for this practice for the maintenance of plant communities suitable for wildlife.						
2. Treatment should result in 30% to 70% bare ground. This treatment is limited to 2 times per 5 year period on the same acres.						
3. See the "Early Successional Development/Management" conservation practice standard.						

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
382	Feet	Fence				20 Years
		Fence - Single Strand Hi Tensile	\$ 0.50	Feet		
		1. One Strand hi-tensile wire used as cross-fence or for exclusion barrier.				
		Fence - Multi Strand Permanent	\$ 1.10	Feet		
		1. Permanent, multi strand wire (barbed or woven or hi-tensile electric) used as a barrier to contain, exclude, or control livestock, wildlife, or humans				
1. This practice is only authorized to exclude livestock from areas that need protection and/or control domestic livestock while permitting wildlife movement. 2. See the "Fence" conservation practice standard.						
386	Feet	Field Border	\$ -	Feet		10 Years
1. This practice must be managed for wildlife habitat; only wildlife field borders (minimum 30 feet wide) consisting of herbaceous species rated as "good" to "excellent" for wildlife cover in Table 1-Vegetation Establishment Herbaceous Seeding Specification (723), and established according to the "Conservation Cover" conservation practice standard will be eligible for WHIP cost share. 2. Payment rate will be applied through associated 327 Conservation Cover practice. 3. See the "Field Border" conservation practice standard.						
393	Acre	Filter Strip	\$ -	Acre		10 Years
1. Payment is authorized for this practice to restore, create, or enhance herbaceous habitat for wildlife. 2. The "Additional Criteria for Wildlife" in the practice standard must be used in conjunction with one of the other stated purposes in the "Filter Strip" conservation practice standard. 3. See "Critical Area Planting" for seeding the "Filter Strip". 4. See "Conservation Cover" for seeding the additional filter strip area for wildlife. Only those grasses, forbs, or legumes and associated mixtures containing 60% or more of species rated as "good" or "excellent" for wildlife as listed in Table 1-Vegetative Establishment Herbaceous Seeding Specification (723) will be allowed. 5. Payment rate will be applied through associated 327 Conservation Cover practice or 342 Critical Area Planting 6. See the "Filter Strip" conservation practice standard.						
666	Acre	Forest Stand Improvement				10 Years
		Forest Stand Improvement - Light	\$ 52.00	Acre		
		1. Light FSI reduces basal area by 20-30 square feet per acre, or eliminate or kill up to 199 trees per acre, or for woody vine control.				
		Forest Stand Improvement - Medium	\$ 67.00	Acre		
		1. Medium FSI reduces basal area by 31-40 square feet per acre, or eliminate or kill 200-400 trees per acre.				
		Forest Stand Improvement - Heavy	\$ 86.00	Acre		
1. Heavy FSI reduces basal area by 41 or more square feet per acre, or eliminate or kill over 400 trees per acre.						
1. Payment is authorized in areas where thinning will be done with a wildlife component as the primary objective. 2. Encourage fuller crown development, earlier seed production, and heavier herbaceous plant development by reducing the stand to 60% stocking or less. 3. This practice is for wildlife habitat development and/or enhancement; it is not a timber production practice through WHIP. 4. Cut trees/trimmings can be piled or felled to create brushpiles. 5. See the "Forest Stand Improvement" conservation practice standard.						

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
655	Acre	Forest Trails and Landings	\$ 894.00	Acre		5 Years
1. Cost share is authorized for the installation of forest harvest trails and landings and their re-vegetation with wildlife friendly grasses and legumes. 2. For revegetation of trail and landings only use 327 Conservation Cover or 342 Critical Area Planting. 3. See the "Forest Trails and Landings" conservation practice standard.						
422	Feet	Hedgerow Planting	\$ -	Feet		15 Years
1. Payment is authorized to establish wildlife travel lanes (linear plantings) that provide cover and food for wildlife and allow wildlife to move safely from one area to another. 2. Payment Rate will be applied through 612 Tree/Shrub Establishment and 490 Tree/Shrub Site Preparation practices. 3. See the "Hedgerow Planting" conservation practice standard.						
441	No. & Acre	Irrigation Systems - Microirrigation	\$ 587.00	Acre		10 Years
1. Payment is authorized for this practice only for "Tree/Shrub Establishment" where supplemental water is needed to assure adequate survival and growth of windbreaks. 2. Payment is available for installing lateral line and appurtenances according to the practice standard. 3. Payment is available for the installation of mainlines, submains, and appurtenances according to the requirements of the "Irrigation Water Conveyance – High-pressure, Underground Plastic Pipeline" conservation practice standard. 4. Payment is not available for filtration, fertigation, and automated zone control units installed as part of the microirrigation system. 5. See the "Irrigation System - Drip" conservation practice standard.						
516	Feet	Pipeline				20 Years
		Above-Ground for temporary water at point of use	\$ 0.50	Feet		
		Buried pipeline to convey water to point of use	\$ 1.60	Feet		
		Delivery pipe for gravity flow systems	\$ 2.00	Feet		
1. Payment for this practice is only available as a component of "Riparian Forest Buffer" to provide livestock water on grazing lands where an alternate water supply is being developed. 2. See the "Pipeline" conservation practice standard.						
338	Acre	Prescribed Burning				5 Years
		Woodland (>30% woody cover & >3" avg DBH)	\$ 34.00	Acre		
		Grassland	\$ 13.00	Acre		
		Patch Burn Grazing	\$ 4.00	Acre		
		1. Patch Burn Grazing will be used to create a mosaic of heavily grazed and lightly grazed areas to provide a diverse vegetative structure and increase plant diversity in a grazing unit. 2. One third of the field will be burned each year. 3. A minimum of 30 acres are required for this practice to provide ample nesting cover for grassland birds. 4. Flat rate payment will be paid on the entire acreage burned and managed for Patch Burn Grazing, not just the acres burned in a year. This payment can not be earned on the same acres that earn the woodland or grassland cost share listed above. 5. See the MO NRCS "Patch Burn Grazing" job sheet.				
1. See the "Prescribed Burning" conservation practice standard.						

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
643	Acre	Restoration and Mgmt of Declining Habitats				15 Years
		Native Ecotype Grasses &/or Forbs Establishment	\$ 103.00	Acre		
		1. Payment is for the establishment of native Missouri source and origin seed to restore prairie, glade &/or savanna herbaceous vegetation.				
		2. Acres must currently be used for crop production, pastureland, or be an existing degraded habitat.				
		Prairie Cordgrass Restoration	\$ 95.00	Acre		
		1. Payment is for the establishment of prairie cordgrass (plugs &/or rhizomes) to restore wetland prairie communities.				
		2. Use of this component will be determined by soil and site conditions.				
3. Payment includes seedbed preparation and plants.						
4. Plant 220 plants per acre, using a 1 gallon container plant split into fourths. This requires 55 one-gallon containers per acre.						
Giant Canebreak Restoration				\$ 577.00	Acre	
1. Payment is for the establishment of 1 acre plots of giant cane (rootballs) in existing cropland, pasture or riparian corridors.						
1. See the "Restoration and Management of Declining Habitat" conservation practice standard.						
391	Acre	Riparian Forest Buffer	\$ -	Acre		15 Years
1. Livestock should be excluded or have limited access to the stream.						
2. Native trees and/or shrubs will be used as appropriate for the soil type.						
3. Payment Rate will be applied through 612 Tree/Shrub Establishment and 490 Tree/Shrub Site Preparation practices.						
4. See the "Riparian Forest Buffer" conservation practice standard.						
578	Number	Stream Crossing				10 Years
		Rock Rip-Rap	\$ 2.30	Sq Ft		
		Concrete (flatwork)	\$ 4.60	Sq Ft		
1. Payment is only authorized as a component of the "Riparian Forest Buffer" conservation practices.						
2. Payment is limited to fencing, gravel, crushed stone, rip-rap rock, concrete, wood materials, geotextiles, and earth work to construct and protect stream crossings, landings, and trails.						
3. Stream crossings will be constructed at the same elevation as the channel bed.						
4. Applicant will acquire all COE permits and wetland determinations before practice commencement.						
5. Payment is not available for bridges.						
6. See the "Stream Crossing" conservation practice standard.						

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
580	Feet	Streambank and Shoreline Protection			\$15,000	20 Years
		Willow Tree Staking	\$ 3.40	Feet		
		Coconut Fiber Log	\$ 5.70	Feet		
		Cedar Tree Revetment	\$ 15.50	Feet		
		Rock Rip-Rap	\$ 24.00	Cu Yd		
1. Only 1st, 2nd, and 3rd order streams are eligible for WHIP cost share. Fourth order and above are not eligible. 2. The maximum cost share available is \$15,000 per contract. 3. Establishment of a "Riparian Forest Buffer" in accordance with an approved design plan is required. 4. The problem must be effectively solved with relatively simple structural measures and/or vegetation to be eligible. 5. The project area must be within a definable stream reach that has a stable beginning and a stable ending point. 6. Channels that have been altered by channelization or have had the natural floodplain width substantially restricted by levee systems are not eligible. 7. Streams or stream reaches that have been identified as "restricted" on the "Restricted and Priority Streams Map" are not eligible. 8. Streambank stabilization systems located where the failure of the components of the system would cause damage to or endanger utilities, roads, buildings, or other facilities and high value property adjacent to the project are not eligible. 9. All components of the streambank stabilization system must meet applicable NRCS standards and specifications. Missouri Department of Conservation (MDC) design criteria will be used to design in-channel measures so long as the final design meets NRCS standards and specifications. 10. See the "Streambank and Shoreline Protection" conservation practice standard.						
587	Number	Structure for Water Control			\$1,500 per Structure	20 Years
		Weir Box Structure - Pipe Diameter 15" or less	\$ 1,538.00	Number		
		Weir Box Structure - Pipe Diameter greater than 15"	\$ 3,042.00	Number		
		Stoplog Structure - Pipe Diameter 15" or less	\$ 2,420.00	Number		
		Stoplog Structure - Pipe Diameter greater than 15"	\$ 4,346.00	Number		
		Flap/Slide Gate - Pipe Diameter 15" or less	\$ 1,304.00	Number		
		Flap/Slide Gate - Pipe Diameter greater than 15"	\$ 2,757.00	Number		
1. Payment is authorized for water control structures and the establishment of permanent levees. Permanent levees must be established on all sides of the field with the exception of the crown to be eligible for cost share. 2. Flat graded fields must have permanent levees established on all sides of the field to be eligible for cost share. 3. See the "Structure for Water Control" conservation practice standard.						
612	Acre	Tree/Shrub Establishment				15 Years
		Bare Root Stock (trees &/or shrubs)	\$ 1.00	Number		
		Container Stock (trees only)	\$ 14.70	Number	\$5,000	
		Tree/Shrub Seeds	\$ 226.00	Acre		
1. Payment is authorized for planting woody species, chemical or mechanical weed control measures for the first 5 years, tree shelters, weed barriers, root dips, fertilizer, and other animal damage control devices, fencing, and seedbed preparation where woody species are suited and needed for reforestation and forestation. 2. Woody species must benefit targeted wildlife species. 3. Payment for container grown trees is limited to \$5000 per contract. 4. See the "Tree/Shrub Establishment" conservation practice standard.						

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
490	Acre	Tree/Shrub Site Preparation				1 Year
		Tree/Shrub Site Prep - Chemical	\$ 19.00	Acre		
		Tree/Shrub Site Prep - Mechanical	\$ 34.00	Acre		
1. Payment is authorized for this practice for tree and shrub site preparation (natural regeneration or artificial establishment) methods (chemical, mechanical) and temporary cover.						
2. See the "Tree/Shrub Site Preparation" conservation practice standard.						
660	Acre	Tree and Shrub Pruning	\$ 2.30	100Ft		10 Years
1. Payment is authorized for root pruning only.						
2. Root pruning is not authorized for pruning adjacent (opposite) sides of linear plantings within a 3 year interval.						
3. See the "Tree and Shrub Pruning" conservation practice standard.						
645	Acre	Upland Wildlife Habitat Management (Continued on page 7)				1 Year
		Bob White Quail Covey Headquarters	\$ -	Acre		
		1. Small shrub seedlings planted in a 30 ft. X 50 ft. area (minimum size is 1,500 square feet).				
		2. Use no weed mat to encourage spreading of the shrubs.				
		3. Herbaceous vegetation control is required.				
		4. Payment Rate will be applied through 612 Tree and Shrub Establishment.				
		5. Bareroot shrubs - use a 5 x 5 spacing.				
6. Species to plant – gray dogwood, rough leaf dogwood, blackberry, fragrant sumac, American plum, Chickasaw plum, hazelnut, false indigo bush, elderberry, chokeberry, shrub lespedeza, and nannyberry. Other species can be approved for use by the NRCS or MDC wildlife planner.						
		Perennial Food Plot	\$ 117.00	Acre		
1. Payment is for establishing perennial plants as green browse/desmodium food plots to provide food & cover for wildlife, in existing cropland, grassland, or forest openings (annual crops are NOT eligible for this payment)						
		Woody Cover Control (Open)	\$ 194.00	Acre		
1. Payment is for the removal of tree canopy (with stump treatment when needed) to promote herbaceous growth or early woody succession. Associated with native grassland communities (such as prairies, savannas, or glades). Must meet the target plant community needs. Stumps must be chemically treated to prevent re-sprouting. May also include removing individual trees in areas inaccessible to mechanical removal. Native shrubs and vines will be preserved (or planted, as needed). Tree/trimmings will be piled and left for wildlife in areas that will not be burned.						
2. Forest Openings require going from an existing basal area of 70 or less to a basal area of 0.						
3. Savanna, Glade, Prairie, or Old Fields require removal of 40% or less of the existing canopy cover.						

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
645	Acre	Upland Wildlife Habitat Management (Continued from page 6)				1 Year
		Woody Cover Control (closed) or Loess Hill or Edgefeathering	\$ 299.00	Acre		
		Select any one of the following three options (A, B, or C) for payment on any one acre (only one option may be applied on an acre):				
		A. Woody Cover Control (closed): 1. Payment is for the removal of tree canopy (with stump treatment when needed) to promote herbaceous growth or early woody succession. Associated with native grassland communities (such as prairies, savannas, or glades). Must meet the target plant community needs. Stumps must be chemically treated to prevent re-sprouting. May also include removing individual trees in areas inaccessible to mechanical removal. Native shrubs and vines will be preserved (or planted, as needed). Tree/trimmings will be piled and left for wildlife in areas that will not be burned. 2. Forest Openings require going from an existing basal area greater than 70, to a basal area of 0. 3. Savanna, Glade, Prairie, or Old Fields require removal of more than 40% of the existing canopy cover.				
		B. Loess Hill: 1. Payment is for the removal of woody cover on river bluff landscape positions in Loess Hill Prairie acres located in Atchison, Holt, Andrew, Buchanan, and Platte counties. In Loess Hill areas, both burning and chemical treatment are				
		C. Edgefeathering: 1. Payment is for cutting, clipping, herbicide application &/or sod removal, to create &/or restore early successional shrubby cover for wildlife. 2. Native shrubs and vines will be preserved (or plantings made as needed) and tree/trimmings will be piled or felled in such a manner to create brushpiles/downed tree structures. 3. A minimum of 30 feet will be developed/maintained as woody edge. 4. If stump treatment is necessary, it is limited to one time per contract period. 5. Payment can be used to eradicate undesirable species in the woody edge development. 6. Mechanical treatment refers to the use of a dozer, "Kansas" clipper, etc. 7. Downed tree structure payment can not be combined with edgefeathering.				
		Downed Tree Structure	\$ 81.00	Number		
		1. Payment is to fell select trees and place in adjacent field in order to provide covey headquarters. 2. Each structure for payment must utilize well-branched trees (minimum 20' height), interlocked & placed to cover a 30' X 50' area. 3. Place downed trees in and around shrub plantings or food plots. 4. Must have a minimum of 8 downed trees per structure. 5. Oak, hickory, and/or cedar are recommended. 6. Downed tree structures are to be placed on bare ground or on areas where herbaceous vegetation is controlled (this includes site preparation, chemicals, downed tree placement, etc.) 7. Downed Tree Structure payment can not be combined with Edgefeathering payment.				

Practice Code	Practice Unit	Conservation Practice	Payment Rate	Payment Unit	Max. Payment	Lifespan
614	Number	Watering Facility	\$ 367.00	Number		10 Years
1. Payment is authorized when needed to provide adequate drinking water for wildlife during critical periods. 2. See the "Watering Facility" conservation practice standard.						
351	Number	Well Decommissioning				20 Years
		Using Off-site Fill Material	\$ 1.80	Cu Ft		
		Using On-site Fill Material	\$ 1.70	Cu Ft		
1. See the "Well Decommissioning" conservation practice standard.						
357	Acre	Wetland Restoration	\$ 1.30	Cu Yd Fill		15 Years
1. Payment is authorized to restore the wetland values, functions, and habitat, as required by an approved Wetland Wildlife Habitat Management Plan. 2. See the "Wetland Restoration" conservation practice standard.						
380	Feet	Windbreak/Shelterbelt Establishment	\$ -	Feet		15 Years
1. Design and plant species selection should benefit targeted wildlife species. 2. The windbreak must have a minimum of 3 rows. 3. All plantings must be protected from grazing and destructive fire. 4. Weed control is required. 5. Payment Rate will be applied through 612 Tree/Shrub Establishment and 490 Tree/Shrub Site Preparation practices. 6. See the "Windbreak/Shelterbelt Establishment" conservation practice standard.						